CLAIMS

1. A method of constructing modular wall using a structural connection system (MSC) having beams and column structure or framework comp rising the steps of:

(i) arranging an external and internal modular wall panels (12, 22), each of the wall panel (12, 22) having an internal and an external face portion, lateral edges, and a plurality of holes (44) being formed on the lateral edge of the modular wall panels (12, 22), wherein the internal face portion of each of the external and internal modular wall panels (12, 22) faces each other, and the width of the modular wall panels (12, 22) ranges from 300mm to 600mm, and the beam has a height of 375 mm and a width of 300mm;

(ii) inserting an interlocking mechanism (45) being a rebar through the holes (44) on each of the modular wall panels (12, 22) for strength and stability of the modular wall panels (12, 22); wherein the interlocking mechanism (45) is shaped structural member selected from the group consisting of: Rebar, a solid rod, a hollow tube, a channel, and an angled member.

(iii) reinforcing using RC slabs to act as a ceiling and flooring for the upper deck of a floor of a building structure, whereby the beams and column structure or framework is provided with a plurality of holes (44) to enable the interlocking mechanism to be inserted through the modular panels.

2. The method of constructing modular wall of Claim 1, wherein a multiple levels of modular walls are obtained by employing the steps (i) to (iii) set forth in Claim 1.

3. The method of constructing modular wall of Claim 1, wherein varying thickness of the modular wall is obtained by using variable number of modular wall panels.

4. The method of constructing modular structural connection system of Claim 1, wherein the structural connection system (MSC) is the beam and column structural framework.

5. The method of constructing modular wall of Claim 1, wherein the plurality of holes (44) provided on the edges of the external and internal wall panels (12, 22) are of size permitting the insertion of a Rebar.

6. The method of constructing modular wall of Claim 1, further comprising the step of (iv) fastening the modular structural connection system (MSC) to the modular wall panels (12, 22).